Page 1

Thursday, August 18, 2011 10:06:51 AM

Item ID:

D3196-1

Accept

Setup Start

Stop

Revision ID:

Start Date:

Item Name:

Bar

Required Date: 8/25/2011

8/18/2011

Start Qty: 4.00

Req'd Qty: 4.00

Cust Item ID:

Customer:

Reference:

Approvals:

Date://-08-10

Date:

Date:

Start Run

SPC (Y/N):

Date:

Stop

Sequence ID/ _ **Work Center ID** Operation Description Set Up/ **Run Hours** Tool ID

Tool # Plan Accept Qty Code

Reject Qty

Number Stamp

Draw Nbr

Revision Nbr

D3196 Rev C

100

Bandsaw

BAND SAW

Memo

0.00

0.00

on Lu/08/31

Jeaspa Bandsaw

Cut blank: (0.75" x 1.50") x 26.200" long Bar

110

HAAS CNC VERTICAL MACHINING #1

0.00

0.00

HAAS CNC vertical machine #1

1-Machine D3196-1 as per Folio FA339 and Dwg D3196Identify as D3196-11:12-

Deburr

_11-09-02

120

QC2- Inspect parts off machine FAI/FAIB -

0.00

11-09-02

Memo

0.00

Quality Control

-411710	Jopase								
W/O:			WO	RK ORDER CHANGE	ES			•	
DATE	STEP	PRO	CEDURE CHAI	IGE	By Date Qty			Approval Chief Eng / Prod Mgr	Approval QC inspector
				•					
_				a a constantiva		·			
_									
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No DQ	A:	Date: _	· · ·
Resolution:		Disposition	:	QA: N/C C	losed:	•	Date: _		
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)		e	
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	n B Sign		cation	Approval	Approval
		Section A	Chief Eng	Chief Eng	Date		ion C	Chief Eng	QC Inspector
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				·					

QC:



Page 2

Setup Start



Start Qty: 4.00 8/18/2011 Required Date: 8/25/2011 Req'd Qty: 4.00

Cust Item ID: Customer:

Reference: **Approvals:**

Start Date:

Process Plan:

Date: ____

Date:

Tooling: SPC (Y/N): Date:

Date:

Run

Start

Stop

Sequence ID/ Work Center ID

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

0.00

Accept

Set Up/

Run Hours

Tool ID

on / 1/09/02

Tool # Plan Code

Accept Qty

Reject Reject Qty Number

Insp. Stamp

0.00

140

HandFinish

Hand Finishing

Chemical Conversion Coat per QSI005 4.1

0.00

Memo

0.00

DM fill 09/06

150

Powdercoat

Powder Coating M 117338 Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

Memo START TIME:

HOVEN TEMPERATURE:

320 FINISH TIME:

4X8 m/11/09/07

W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	By Date Qty Approval Chief Eng / Prod Mgr			Approval QC Inspector	
			,						
Part No	•	PAR #:	Fault Categ	ory:	_ NCR: Yes 1	No DQA	ı:	_ Date: _	
	Re	solution:	Disposition	:	_ QA: N/C Clo	sed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)				
DATE STEP		Description of NC	· 	Corrective Action Secti		Verifica	ation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sectio		Chief Eng	QC Inspector
								i	
		•							

Work Order ID 72921

Thursday, August 18, 2011 10:06:51 AM



Page 3

Item ID:

D3196-1

Accept

Setup Start

Stop



Revision ID:

Item Name:

Bar

8/18/2011 **Start Date:** Required Date: 8/25/2011

Start Qty: 4.00

Req'd Qty: 4.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Run

Start

Date: _____

SPC (Y/N):

Date:

Stop

Sequence ID/ Work Center ID

160

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Quality Control

170

Packaging

Packaging

Identify as per dwg & Stock Location 57

0.00

Memo

0.00

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

M1918 70 (1-09-08

W/O:			· W	ORK ORDER CHANGE	ES				
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Da	ite Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
• •									
Part No		PAR #:							
	R	esolution:	Dispositi	Disposition: QA: N/C Closed:			d:	Date: _	
NCR:			WORK ORI	DER NON-CONFORMA	NCE (NC	CR)			
DATE	STEP	Description of NC		Corrective Action Section		v	erification	Approval	Approval
	O.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sigr Da		Section C	Chief Eng	QC Inspector
				·					
			· ·						
		:							
									1

Picklist Print

Thursday, August 18, 2011 10:06:57 AM

Work Order ID: 72921

Parent Item: D3196-1

Parent Item Name: Bar



Start Date: 8/18/2011

Required Date: 8/25/2011

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev: A New Issue 05-11-08 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6B0.750X01.50	**************************************	Purchased	No			100	f	63.5746	2.183	9.191579			· · · · · · · · · · · · · · · · · · ·

6061-T6 Bar .750 X 1.50

Location		Loc Qty	Loc Code
MAT003		63.5746	
	116405	0.4492	
	116604	1.5	
	116623	1.6254	
\	110102	60	

9.2 onf 11/08/31

Page 1

- 411710	. Johase								
W/0:			WC	RK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Disposition	n:	QA: N/C Cld	osed:		Date: _	
NCR:		·	WORK ORDI	ER NON-CONFORMAN	NCE (NCR)			
DATE	STEP	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti	on C	Chief Eng	QC Inspector
·									
		·							
*									

DART AEROSPACE LTD	Work Order:	72921
Description: Bar	Part Number:	D3196-1
Inspection Dwg: D3196 Rev: C		Page 1 of 1

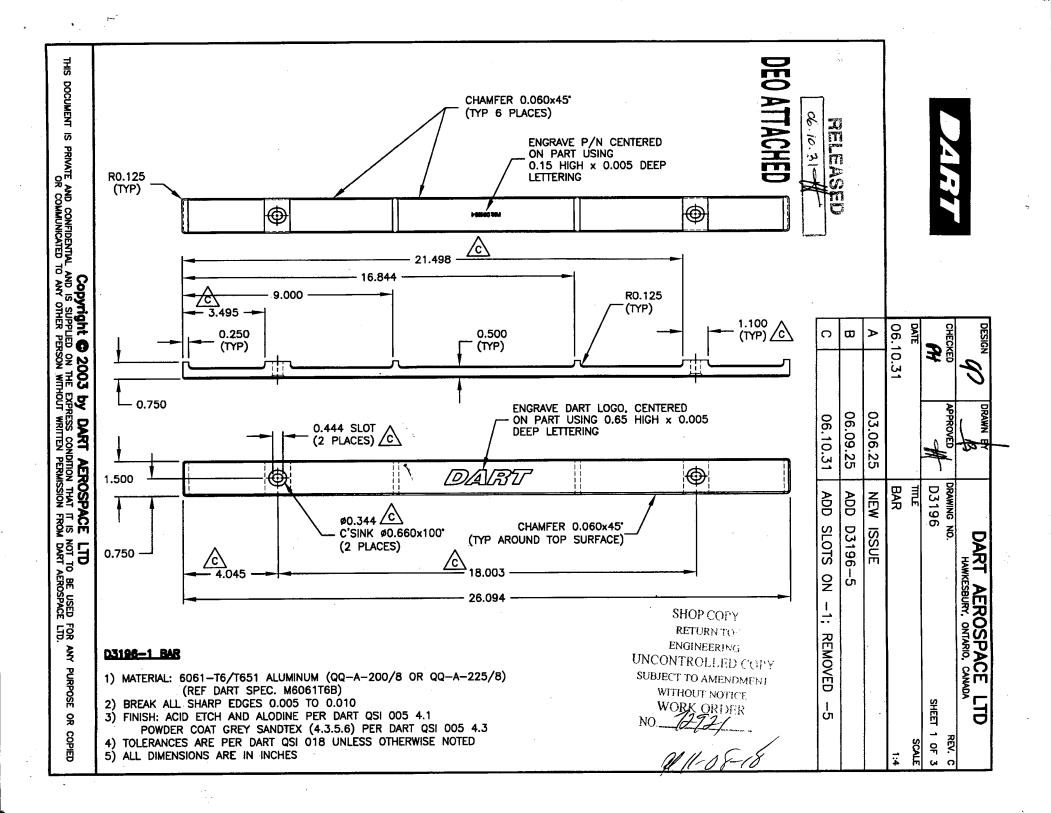
FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype	X	First Article	Pro	totype
-------------------------------	---	---------------	-----	--------

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
26.094	+/-0.010	26-094			m-tape	
4.045	+/-0.010	4.045			vein JL-3	
18.003	+/-0.005	18.003			moure	
0.750	+/-0.005	750			Vein 21-3	
1.500	+/-0.010	1.502			,	
Ø0.344	+0.006/-0.001	- 343			*	
Ø0.660 x 100°	+0.008/-0.001 x 0.5°	-665X100°	/		·	
0.060 x 45°	+/-0.010 x 0.5°	-063X45°	/		٠	
0.750	_ +/-0.010	.752			ر	
0.250	+/-0.010	-251			-	
3.495	+/-0.010	3.490			~	
9.000	+/-0.010	9.000.			Vein CNC-02	
16.844	+/-0.010	16-844			mtare	
21.498	+/-0.010	21,498			, ,	
R0.125	+/-0.010	.125			RG	1.77 11.25 11.7
1.1 00	+/-0.010	1.100			Vein SL3	
R0.125	+/-0.010	.125			R-6	
0.444	+/-0.010	.411			Vern JL3	
		1				

Measured by:	Audited by:	Prototype Approval: N/A	
Date: 11-09-02	Date: 11/04/02	Date: N/A	

Rev	Date	Change	Revised by	Approved
Α	04.04.20	New Issue	KJ/RF	
В	06.10.24	Dwg Rev. updated	KJ/JLM 1.A	
С	07.03.21	Dimensions updated per Dwg rev. C	KJ/JLM OK	B



CHAMFER 0.060x45*

(TYP 10 PLACES)

D3196-3 BAR

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ANY PURPOSE

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COPIED

- 1) MATERIAL: 6061-T6/T651 ALUMINUM (QQ-A-200/8 OR QQ-A-225/8) (REF DART SPEC. M6061T6B)
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1 POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

12921

SHECKED 06.10.31 DRAWING NO. BAR AEROSPACE SBURY, ONTARIO, CAW SHEET OF 3 :5

BAR

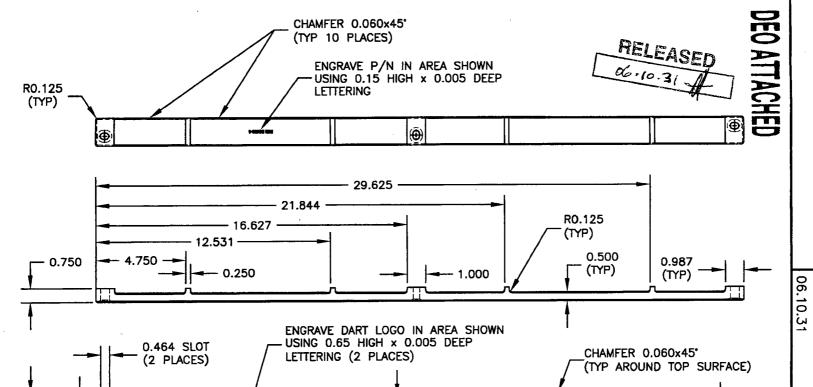
SHEET

3 OF 3

1:5

0.512 -

12921



DAVBT

Ø0.344

(TYP)

33.650 -

C'SINK Ø0.660x100°

D3196-4 BAR

1.500

0.962

(TYP)

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DOCUMENT

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ANY PURPOSE

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COPIED

1) MATERIAL: 6061-T6/T651 ALUMINUM (QQ-A-200/8 OR QQ-A-225/8) (REF DART SPEC. M6061T6B)

DAVST

- 16.6<mark>39 -</mark>

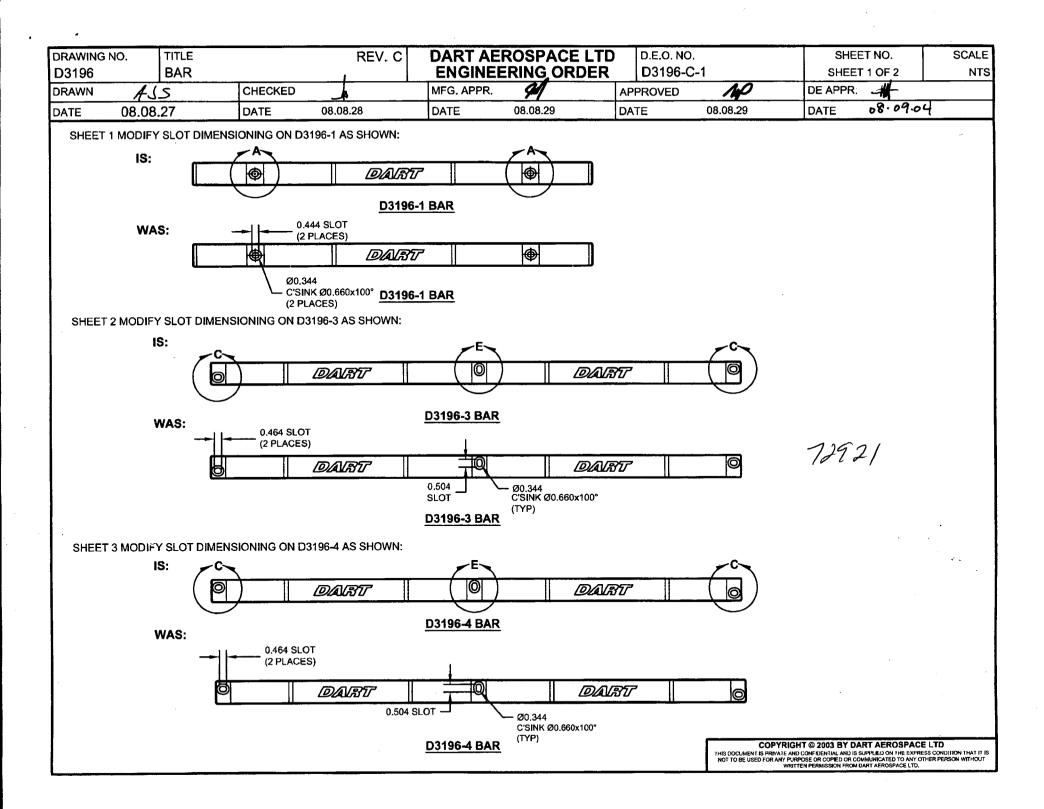
0.504 SLOT -

- 34.625

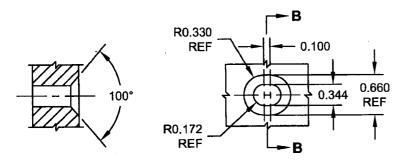
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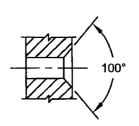
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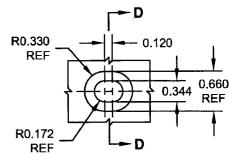
- 3) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
 POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES









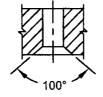


SECTION B-B

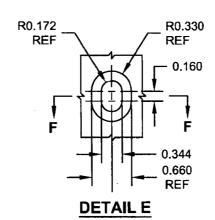
DETAIL A

SECTION D-D

DETAIL C



SECTION F-F



72921

NOTE: THIS CHANGE HAS BEEN DONE TO CLARIFY SLOT DIMENSIONS ONLY. NO CHANGES HAVE BEEN MADE TO THE PARTS SEE NCR 08-051 FOR FURTHER INFORMATION

ALL OTHER INFORMATION REMAINS UNCHANGED

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